This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-20 (Canceled)

21. (Currently Amended) A multifunctional tridimensional combined ecological architecture, having one or more buildings, said one building being a combined ecological architecture and having a functional structure of multiple functions and a tridimensional ecological system, ~~or said more buildings having an~~ the tridimensional ecological system of said one building comprising:

- ~~at least one of~~ a first ecological architecture structure for organisms and/or a second ecological architecture structure for plants, animals, and a water resource,
- a place for human culture activity,
- an organism production system including an organism cultivation device,
- cooperating systems,

wherein said one building ~~or said more buildings have~~has a tridimensional ecological architecture functional structure including an aboveground part~~,~~ and/or an underground part~~, or both an aboveground part and an underground part,~~; wherein a top roof~~,~~ and/or side(s)~~, or both a top roof and side(s)~~ of said one building ~~or said more buildings~~ are ~~partly or completely transparent, openable and closable, or both transparent and openable and closable~~ provided with an ecological architecture structure of openable and closable type for openable and closable device for organisms;

wherein said first ecological architecture structure and said second ecological architecture structure are provided anywhere in ~~or~~, on said one building or said more buildings, and ~~include~~ are used for plants, animals, a water resource and human cultural sights ~~therein~~;

the tridimensional ecological architecture functional structure of said one building ~~or said more buildings~~ comprises a plurality of layers of ecological architecture structures ~~providing a plurality of layers of ecological environment~~ for ~~growth of~~ organisms~~,~~; said ~~tridimensional ecological architecture structure~~ first ecological architecture structure for organisms and second ecological architecture structure for plants, animals, and a water resource are ~~is~~ an opened type, closed type, openable and closable type movable type or combined type~~,~~; said organism cultivation

device comprises a fixed type of organism cultivation device, ~~or~~ a movable type of organism cultivation device~~, or both a fixed type of organism cultivation device and a movable type of organism cultivation device~~; said movable type of organism cultivation device includes a movable cultivation frame for organism, an organism cultivation box or an organism cultivation plate and is vertically developed and horizontally developed;

~~said tridimensional ecological architecture structure of openable and closable type includes structures that can be opened and closed, wherein~~ said tridimensional ecological architecture structure of openable and closable type is a roof type openable and closable structure, an inclined type openable and closable structure~~ or~~, a side surface openable and closable structure, can be entirely~~ or~~, partly opened and closed, with large areas opened and closed on roofs~~,~~ and sides or walls, or can be a combined openable and closable type with movable doors and windows being provided in combination in an opening and closing device~~,~~; the method for opening and closing of said tridimensional ecological architecture structure of openable and closable type can be type of pivot folded, type of wheel sliding, type of axle folded, type of parallel sliding on flat surfaces, inclined surfaces, or side surfaces, openable and closable type of movable bottom wheels of ecological room, type of controlled manually, type of automatically or the combination type, and said tridimensional ecological architecture structure of openable and closable type is of a type of openable and closable with single layers, a type of openable and closable with double layers or the combined openable and closable type;

said movable type of organism cultivation device comprises vertically developed space rotating cultivation frames for organisms or horizontally developed movable type of organism cultivation device; said space rotating cultivation frames for organisms are suspended, laid, piled, tridimensional, or shelved; said space rotating cultivation frames for organisms are provided inside, outside, or both inside and outside said one building~~s~~; said space rotating cultivation frames for organisms are provided singly or in combination; and said space rotating cultivation frames comprise a temperature regulating mechanism, a water supply mechanism, or both a temperature regulating mechanism and a water supply mechanism;

the tridimensional ecological system and the functional structure of said one building are completely or partly suitable for said more buildings, said more buildings comprise ~~at least one of~~ tridimensional ecological architecture structures of Taiji graphics type, Eight Gua graphics type, hood type, frame hood type, tree frame type, tridimensional land type, tridimensional awning type,

combined frames type, turret frame type, combined passage type, hacienda type, ecological village type, ecological town type, tridimensional ecological river type, tridimensional ecological bridge type, tridimensional ecological road type, tridimensional ecological wall type and organism cultivation mechanical frame type tridimensional ecological architecture structures; said one building and more buildings are combined completely or partly into a tridimensional ecological town or a tridimensional ecological village; said cooperating systems are cooperating systems of multiple functions and comprise ~~at least a part of~~ a water recycling utilization system, an electrical supply system, ~~a ventilation~~ an air conditioning transmitting recycling system, a temperature and humidity regulating system, a light transmitting structural system, a flat laid irrigation system, a flat laid heating system, a ~~methane~~ sewage recuperating and purifying and recycling system~~s~~, an energy saving illumination system and a monitoring control system; wherein said water recycling utilization system comprises a precipitation gathering and purifying device, a sewage water recuperating and classification and purifying device, an external water resource input device, a device for filtering and purifying water from air, a sanitation device, a water reservoir device and a water supply device; said electrical supply system comprises a power generation and storing device, a power transmission and power supply device, a voltage transformation and power distribution device; said air conditioning transmitting recycling system comprises an air input/output device, an oxygen supply device, an air purifying and recycling device, a sanitation device, a separated air channel system, an unitary air channel system, an ecological room; said temperature and humidity regulating system comprises a temperature regulating device and a humidity regulating device; said light transmitting structure system comprises a light refractive device and a light transmitting device; said flat laid irrigation system comprises a water supplier network system, a water solarization reservoir and a flat laid irrigation pipe; said flat laid heating system comprises planar heating pipes and heating device, the heating pipes being provided are laid flat on the ground or laid flat in the structural body of the building; said sewage recuperating and purifying and recycling system comprises sewage recuperating pipes, a sewage classification device, a polluted water purifying device, a methane tank, a methane storing and utilization device, building methane heating and power generation device; said energy saving illumination system comprises green energy sources including solar energy, wind energy, water energy and mechanical energy, said energy saving illumination system constituting an utilization system in

the electrical supply system; said monitoring control system comprises automatic, manual control mechanisms for the devices, systems, or both the devices and the systems;

said one building or said more buildings of the multifunctional tridimensional combined ecological architecture ~~and the systems~~ are combined with the systems in a manner of part or complete combination; said one building and said more buildings of the multifunctional tridimensional combined ecological architecture are combined completely or partly or provided singly.

22. (Canceled)

23. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, ~~further comprising tridimensional ecological walls provided in part or in periphery of said one~~the building ~~or said more buildings~~ of the tridimensional ecological wall type~~;~~ ~~wherein the walls~~ are fixed or moveable or both and have plant and organism cultivation structures thereon, and the tridimensional ecological walls are provided in combination or separately.

24. (Previously presented) The multifunctional tridimensional combined ecological architecture according to claim 22, wherein the device for filtering and purifying water from air comprises a blower, to introduce air into said devices for filtering and purifying water from air through the air inlet thereof, wherein moisture in the air is vaporized by heaters provided inside said devices for filtering and purifying water from air, and then the moisture is held by the water cooling and filtering and capturing devices, then the water is discharged out of the devices for filtering and purifying water via an outlet of a channel for discharging water, said devices for filtering and purifying water from air are in the form of passage type, upright-type, or caged-type, or suspended-type, or air-conditioning-type, and said devices for filtering and purifying water from air are provided in combination or separately.

25. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 22, wherein said control system is configured to have an intelligent control mechanism that is able to implement complete control, part control, or individual control of devices; and wherein said architecture is also provided with anti theft alarming systems, image

transmission mechanisms, and dialogue control system for security in buildings, and closed-circuit monitoring systems.

26. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said more buildings are connected with one another via roads, bridges, or both roads and bridges; the roads or bridges optionally including tridimensional roads and tridimensional bridges provided in stories.

27. (Canceled)

28. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 22, wherein the power generation and storing device comprises at least one of a solar power generation and storing device, a wind power generation and storing device, a water power generation and storing device, and a mechanical power generation and storing device.

29. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 28, wherein said solar power generation and storing devices comprise solar cell receiving plates, electric storage devices, transformer devices, current meters, power distributing devices, accessories of electric supplier networks; said solar power generation and storing devices are integrated ones, in which electric suppliers devices are integrated into a network in the buildings or on the grounds for use in the entire architecture, or separated ones, in which they are mounted in part areas or separate apartments of the buildings for separate use; said solar cell receiving plates are of at least one of laid-type, upright-type, fixed-type, folded-type, or rotatable type, form of balconies, form of door or windows, form of curtains or form of walls.

30. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 26, wherein part of said more buildings or one building is movable.

31. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 22, wherein said light refractive devices are fixed, moveable, with lights, and are controllable by lights or manually.

32. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said one or more buildings are combinable in at least one of various types of forms, comprising multifunctional combined type, Taiji graphics type, Eight Gua graphics type, hood type, frame hood type, tree frame type, tridimensional land type, combined frame, turret frame type, combined passage type, hacienda type, ecological village type, ecological town type, tridimensional ecological river type, tridimensional ecological bridge type, tridimensional ecological road type, tridimensional ecological wall type, each of said buildings and said one building are provided in combination or separately.

33. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim ~~32~~21, wherein said ~~more~~ buildings~~, which are combined in~~ of the tridimensional land type ~~of form,~~ are provided in stories, and comprise aboveground, underground, or both aboveground and underground~~,~~ organism cultivation spaces, a natural ecological environment space and a human cultural place, and ~~wherein said more buildings~~ are provided collectively or separately with a water storing system, a water supplying system, a methane utilizing device, a water purifying system, a power generation and supplying device and a lifting device, ~~each of which systems or devices is provided separately or in combination with other systems or devices~~ said building of the tridimensional land type are provided in combination or separately.

34. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim ~~32~~21, wherein said buildings~~, which are combined in~~of the combined passage type ~~of form,~~ are provided aboveground, underground, or both aboveground and underground, are combined in single storey or stories, and are provided therein with passages, which passages are provided inside and outside completely or partly with at least one of organism cultivation, transportation and human cultural and natural ecological environment structures, a water draining device, a water storing device and a power supplying device, ~~each of which devices is~~ said buildings of the combined passage type are provided separately or in combination ~~with other devices~~.

35. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim ~~32~~21, wherein said ~~more~~ buildings~~, which are combined in~~of tridimensional ecological river type~~ of form,~~ comprise collectively or separately exposed river type, hidden river type, lake type, awning type, inside, outside, or both inside and outside organism cultivation devices, a water purifying device, a water storing device, a water recycling device, a tridimensional ecological device, ~~each of which devices is~~ said buildings of tridimensional ecological river type are provided separately or in combination ~~with other devices~~.

36. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim ~~32~~21, wherein said ~~more~~ buildings~~, which are combined in~~of tridimensional ecological bridge type~~ of form~~, have a bridge body which is provided in single story or stories and which is provided with ~~inside, outside, or both inside and outside~~ first ecological architecture structure for organisms and/or second ecological architecture structure for plants, animals, and a water resource~~ or both the first ecological architecture structure for organisms and the second ecological architecture structure for plants, animals, and a water resource~~; and the buildings ~~which are combined in~~of tridimensional ecological bridge type~~ of form~~ are provided in combination or separately.

37. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim ~~32~~21, wherein said ~~more~~ buildings~~, which are combined in~~of tridimensional ecological road type~~ of form,~~ have a road structure of single story or stories aboveground, underground, or both aboveground or underground, which road structure is provided thereon in stories or sections ~~with inside, outside, or both inside and outside,~~ organism cultivation environment~~,~~ or human cultural and natural ecological environment structures, or both ~~organism cultivation environment and human cultural and natural ecological environmental structures~~, and are provided with a water draining device, a water storing device and a power supplying device, ~~the devices of~~ said buildings ~~which are combined in~~ of tridimensional ecological road type~~ of form~~ are provided separately or in combination ~~with other devices~~.

38. (Canceled)

39. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim ~~32~~21, wherein said buildings~~, which are combined in~~of tree frame type~~ of form,~~ have various forms, the ecological system of these buildings comprise building structures, an aerial long arm warm house, inside, outside, or both inside and outside organism cultivation structures, a human culture place and a water storing and supplying device~~,~~; and said buildings of tree frame type are provided separately or in combination.

40. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 29, wherein said solar cell receiving plates and said light transmitting devices of said solar power generation and storing devices are assembled in combination or separately into a fixed or rotatable equipment with multiple functions, which equipment with multiple functions is upright type or desktop type and wherein the equipment can be used in combination with the building or separately.

41. (Currently amended) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said one building or said more buildings have stories and said one building and said more buildings are combined completely or partly into a tridimensional ecological village, a tridimensional ecological town, or both a tridimensional ecological village and a tridimensional ecological town.

42. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said first ecological architecture structure for organisms and said second ecological architecture structure for plants, animals and a water resource comprise at least one of an ecological building structure of tridimensional land type, an ecological building structure of ecological river type, an ecological building structure of ecological wall type, ecological building structure of hood type, ecological building structure of frame hood type, ecological building structure of tridimensional awning type, ecological building structure of combined frames type, ecological building structure of turret frame type, ecological building structure of combined passage type, ecological building structure of hacienda type, ecological building structure of ecological village type, ecological building structure of ecological town type, ecological building structure of organism cultivation mechanical frame type, ecological building

structures of Taiji graphics type, ecological building structure of Eight Gua graphics type, ecological building structure of an ecological structure of passage type, an ecological building structure of tree frame type, an ecological building structure of ecological bridge type and an ecological building structure of ecological road type; said one building and said buildings are provided in combination completely or partly, or respective buildings are arranged separately.

43. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said place for human culture activity comprises at least one of a residential house, and places for offices, commerce, sports, culture, factories, schools, researches, storages, sanatorium, stations, and recreational places.

44. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said organism production system comprises an underground ecological structure having a roof, a part or the entirety of which is transparent, openable and closable, or both transparent and openable and closable; the underground ecological structure comprising a single storey or multiple-storey ~~stories~~ of ecological structures or both a single story ecological structure and multiple-storey of ecological structures and being provided therein with solar energy device, light transmission device, or both solar energy device and light transmission device.

45. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 44, wherein said underground ecological structure comprises a structure for cultivation of plants, a structure for cultivation of animals, or both a structure for cultivation of plants and a structure for cultivation of animals.

46. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim ~~32~~21, further comprising a tridimensional land ecological device comprising a story or stories of tridimensional land and a layer of soil on original ground; wherein plants, animals, or both are cultivated on the story or stories of tridimensional lands; said tridimensional land ecological device is provided further therein with an agriculture machine; and said tridimensional land ecological device is provided in combination or separately.

47. (Previously Canceled)

48. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein the tridimensional ecological architecture structure of the combined openable and closable type ~~or combined type~~ is provided with an opening and closing structure comprising an ecological space for organisms and an opening and closing device.

49. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said first ecological architecture structure for organisms, said second ecological architecture structure for plants, animals, and a water resource, and said organism production system are completely, partly or singly provided.

50. (Canceled)

51. (Canceled)

52. (Canceled)

53. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device comprises a movable warm house; and said warm house is provided with bottom wheels mounted below the warm house to make the warm house be movable.

54. (Canceled)

55. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device comprises a plurality of organism plate boxes and a transmission belt device; and said transmission belt device is able to drive said plurality of organism plate boxes to move.

56. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said one building or at least one of said buildings is a tree frame type ecological building; and said tree frame type ecological building includes a main building body ~~in the central position~~ and a plurality of aerial long arm ecological ~~buildings~~rooms ~~located outside the main building body and~~ connected to said main building body, said aerial long arm ecological rooms comprise long arm warm house and a supporting building structure, said tree frame type ecological building is provided in combination or singly.

57. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, further comprising a power generation device which is mounted to a door or window of said one building or said more buildings and generates power by rotation of said door or window.

58. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein ~~said one building or at least one of said more buildings is a tridimensional ecological bridge;~~ said building(s) of tridimensional ecological bridge type includes an upper layer bridge surface and a lower layer bridge surface; said upper layer bridge surface is provided with a light transmitting skylight window formed by transparent structures or transparent glasses to transmit light to the lower layer bridge surface, the building(s) of tridimensional ecological bridge type has ecological system; and said buildings of tridimensional ecological bridge type being ~~the tridimensional ecological bridges are~~ provided in combination or separately.

59. (Canceled)

60. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein ~~said buildings including~~ the Taiji graphics type ecological building structure and the Eight Gua type ecological building structure are provided in combination with said one or more buildings or singly.

61. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said organism production system includes all or part of cultivation devices, processing devices, storing and transferring devices and marketing devices.

62. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said flat laid heating system is provided in said one or more buildings, provided on the ground or laid flat in the building structural body, in combination or separately; said flat laid heating system is provided thereon with medias for cultivation of plant organisms, said medias for cultivation of plant organisms including artificial soils or volcanic ashes.

63. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said flat laid irrigation system is provided in said one or more buildings and is used in combination or separately.

64. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said air conditioning transmitting recycling system is provided in said one or more buildings and is used in combination or separately.

65. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein the ecological building structure of turret frame type is comprised of an interior upright ecological building and an exterior frame bracket ecological building structure, the interior and exterior ecological building having a structure that can be changed in different forms, the ecological building structure of turret frame type being provided in combination or singly.

66. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein the cooperating systems, the ecological system and the building structure of said one building can be combined completely or partly.